

IN THE SPECIFICATION

Please amend the paragraph beginning at page 10, line 3, as follows:

$$\left| \sum_{k=1}^{\frac{1}{2}N} Qnm(ik, ik) \right| - \left| \sum_{k=\frac{1}{2}N+1}^N Qnm(ik, ik) \right| \succ T \quad \left| \sum_{k=1}^{\frac{1}{2}N} Qnm(ik, jk) \right| - \left| \sum_{k=\frac{1}{2}N+1}^N Qnm(ik, jk) \right| \succ T$$

....(1)

$$\left| \sum_{k=\frac{1}{2}N+1}^N Qnm(ik, ik) \right| - \left| \sum_{k=1}^{\frac{1}{2}N} Qnm(ik, ik) \right| \succ T \quad \left| \sum_{k=\frac{1}{2}N+1}^N Qnm(ik, jk) \right| - \left| \sum_{k=1}^{\frac{1}{2}N} Qnm(ik, jk) \right| \succ T$$

....(2)

Please amend the paragraph beginning at page 12, line 9, as follows:

$$\left| \sum_{k=1}^{\frac{1}{2}N} Qnm_k(ik, ik) \right| - \left| \sum_{k=\frac{1}{2}N+1}^N Qnm_k(ik, ik) \right| \succ T \quad \left| \sum_{k=1}^{\frac{1}{2}N} Qnm_k(ik, jk) \right| - \left| \sum_{k=\frac{1}{2}N+1}^N Qnm_k(ik, jk) \right| \succ T$$

...(3)

$$\left| \sum_{k=\frac{1}{2}N+1}^N Qnm_k(ik, ik) \right| - \left| \sum_{k=1}^{\frac{1}{2}N} Qnm_k(ik, ik) \right| \succ T \quad \left| \sum_{k=\frac{1}{2}N+1}^N Qnm_k(ik, jk) \right| - \left| \sum_{k=1}^{\frac{1}{2}N} Qnm_k(ik, jk) \right| \succ T$$

...(4)

Please amend the paragraph beginning at page 14, line 5, as follows:

$$\left| \sum_{k=1}^{\frac{1}{2}N} Qn_k m_k(ik, ik) \right| - \left| \sum_{k=\frac{1}{2}N+1}^N Qn_k m_k(ik, ik) \right| \succ T \quad \left| \sum_{k=1}^{\frac{1}{2}N} Qn_k m_k(ik, jk) \right| - \left| \sum_{k=\frac{1}{2}N+1}^N Qn_k m_k(ik, jk) \right| \succ T$$

...(5)

$$\left| \sum_{k=\frac{1}{2}N+1}^N Qn_k m_k(ik, ik) \right| - \left| \sum_{k=1}^{\frac{1}{2}N} Qn_k m_k(ik, ik) \right| \succ T \quad \left| \sum_{k=\frac{1}{2}N+1}^N Qn_k m_k(ik, jk) \right| - \left| \sum_{k=1}^{\frac{1}{2}N} Qn_k m_k(ik, jk) \right| \succ T$$

...(6)

Please amend the paragraph beginning at page 18, line 22, as follows:

$$\left| \sum_{k=1}^{\frac{1}{2}N} Q_{n_k m_k}(ik, ik) \right| > \left| \sum_{k=\frac{1}{2}N+1}^N Q_{n_k m_k}(ik, ik) \right| \quad \left| \sum_{k=1}^{\frac{1}{2}N} Q_{n_k m_k}(ik, jk) \right| > \left| \sum_{k=\frac{1}{2}N+1}^N Q_{n_k m_k}(ik, jk) \right|$$

...(7)

$$\left| \sum_{k=1}^{\frac{1}{2}N} Q_{n_k m_k}(ik, ik) \right| < \left| \sum_{k=\frac{1}{2}N+1}^N Q_{n_k m_k}(ik, ik) \right| \quad \left| \sum_{k=1}^{\frac{1}{2}N} Q_{n_k m_k}(ik, jk) \right| < \left| \sum_{k=\frac{1}{2}N+1}^N Q_{n_k m_k}(ik, jk) \right|$$

....(8)

Please amend the paragraph beginning at page 46, line 2, as follows:

$$\left| \sum_{k=1}^{\frac{1}{2}N} Q_{nm}(ik, ik) \right| - \left| \sum_{k=\frac{1}{2}N+1}^N Q_{nm}(ik, ik) \right| > T \quad \left| \sum_{k=1}^{\frac{1}{2}N} Q_{nm}(ik, jk) \right| - \left| \sum_{k=\frac{1}{2}N+1}^N Q_{nm}(ik, jk) \right| > T$$

....(1)

$$\left| \sum_{k=\frac{1}{2}N+1}^N Q_{nm}(ik, ik) \right| - \left| \sum_{k=1}^{\frac{1}{2}N} Q_{nm}(ik, ik) \right| > T \quad \left| \sum_{k=\frac{1}{2}N+1}^N Q_{nm}(ik, jk) \right| - \left| \sum_{k=1}^{\frac{1}{2}N} Q_{nm}(ik, jk) \right| > T$$

....(2)

Please amend the paragraph beginning at page 66, line 20, as follows:

$$\left| \sum_{k=1}^{\frac{1}{2}N} Q_{n_k m_k}(ik, ik) \right| > \left| \sum_{k=\frac{1}{2}N+1}^N Q_{n_k m_k}(ik, ik) \right| \quad \left| \sum_{k=1}^{\frac{1}{2}N} Q_{n_k m_k}(ik, jk) \right| > \left| \sum_{k=\frac{1}{2}N+1}^N Q_{n_k m_k}(ik, jk) \right|$$

...(7)

$$\left| \sum_{k=1}^{\frac{1}{2}N} Q_{n_k m_k}(ik, ik) \right| < \left| \sum_{k=\frac{1}{2}N+1}^N Q_{n_k m_k}(ik, ik) \right| \quad \left| \sum_{k=1}^{\frac{1}{2}N} Q_{n_k m_k}(ik, jk) \right| < \left| \sum_{k=\frac{1}{2}N+1}^N Q_{n_k m_k}(ik, jk) \right|$$

....(8)

Please amend the paragraph beginning at page 73, line 8, as follows:

$$\left| \sum_{k=1}^{\frac{1}{2}N} Qnm_k(ik, ik) \right| - \left| \sum_{k=\frac{1}{2}N+1}^N Qnm_k(ik, ik) \right| \succ T \quad \left| \sum_{k=1}^{\frac{1}{2}N} Qnm_k(ik, jk) \right| - \left| \sum_{k=\frac{1}{2}N+1}^N Qnm_k(ik, jk) \right| \succ T$$

...(3)

$$\left| \sum_{k=\frac{1}{2}N+1}^N Qnm_k(ik, ik) \right| - \left| \sum_{k=1}^{\frac{1}{2}N} Qnm_k(ik, ik) \right| \succ T \quad \left| \sum_{k=\frac{1}{2}N+1}^N Qnm_k(ik, jk) \right| - \left| \sum_{k=1}^{\frac{1}{2}N} Qnm_k(ik, jk) \right| \succ T$$

...(4)

Please amend the paragraph beginning at page 79, line 11, as follows:

$$\left| \sum_{k=1}^{\frac{1}{2}N} Qn_k m_k(ik, ik) \right| - \left| \sum_{k=\frac{1}{2}N+1}^N Qn_k m_k(ik, ik) \right| \succ T \quad \left| \sum_{k=1}^{\frac{1}{2}N} Qn_k m_k(ik, jk) \right| - \left| \sum_{k=\frac{1}{2}N+1}^N Qn_k m_k(ik, jk) \right| \succ T$$

...(5)

$$\left| \sum_{k=\frac{1}{2}N+1}^N Qn_k m_k(ik, ik) \right| - \left| \sum_{k=1}^{\frac{1}{2}N} Qn_k m_k(ik, ik) \right| \succ T \quad \left| \sum_{k=\frac{1}{2}N+1}^N Qn_k m_k(ik, jk) \right| - \left| \sum_{k=1}^{\frac{1}{2}N} Qn_k m_k(ik, jk) \right| \succ T$$

...(6)